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PERIODICAL

# AMERICAN NURSEYMAN

AMERICAN NURSERY TRADE BULLETIN

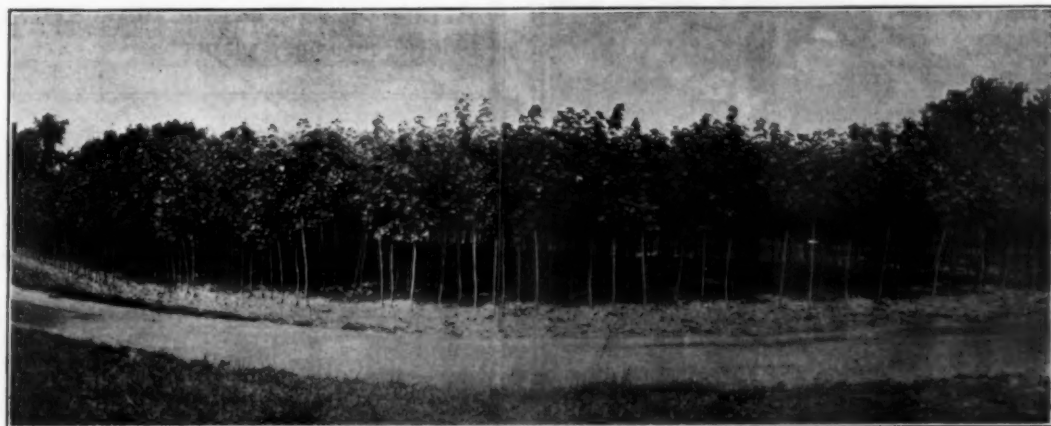
Chief Exponent of the American Nursery Trade

Vol. L No. 8

OCTOBER 15, 1929

Per Copy 20c

## PAINESVILLE NURSERIES



How is this for a good looking Norway Maple Block?

We have others just as good and bigger—fresh blocks as yet untouched—  
—of Elms, Sycamores, other Maples, etc. Come and see 'em.

### General Nursery Stock

from 1500 Acres

VARIETY - QUANTITY - QUALITY

Prices Interesting

Let Us Quote On Your Want Lists

THE STORRS & HARRISON CO.

"Painesville Nurseries"

PAINESVILLE, Lake County, OHIO

### Headquarters for:

CATALPA BUNGEI  
JAPAN WEeping CHERRY  
SIEBOLDI CHERRY  
CORNUS FLORIDA RUBRA  
CAMPERDOWN ELM  
MOLINE ELM  
VASE ELM  
NORWAY MAPLE  
SILVER MAPLE  
EUROPEAN MT. ASH  
PRUNUS PISSARDI  
PYRACANTHA LALANDI  
ROSE ACACIA (Top worked)  
EUROPEAN SYCAMORE  
WISCONSIN WILLOW

39 STATE ST.



ROCHESTER, N. Y.

American Fruits Publishing Co.

*"New York  
State Grown"*



**NURSERY STOCK**

FRUITS  
ORNAMENTALS  
ROSES  
EVERGREENS

Send for  
Price List

**W. & T. Smith Co.**  
Geneva, N.Y.  
Organized in 1846  
1000 Acres  
in 1928

## FALL, 1929

One Year CHERRY and APPLE  
Two year EARLY RICHMOND  
Apple in VARIETY, PEAR and PLUM.

Beautiful lot of  
**Budded Elm, Seedling Elm, Soft Maple**  
**Norway Maple** and other ornamental trees  
Shrubs in car lots, especially **Spirea Van**  
**Houtti**, 3-4 ft. and 4-5 ft.  
**Evergreens** 40 varieties  
**Arbor Vitae, Pyramidalis and Globes** in car  
lots. Specimen plants

**C. M. HOBBS & SONS**  
BRIDGEPORT, INDIANA  
*Largest Nursery in Indiana*

## Best Tree Digger on Earth



Write for Descriptive Circular and Prices

**Stark Brothers**

NURSERIES AND ORCHARDS COMPANY

Louisiana,

Missouri



—This mark on a shipment  
of Nursery Stock is Your  
assurance of its Quality.

## NOW READY

All the Nursery Stock  
You Need ==

## FOR FALL

NEVER was our nursery stock in better  
condition—in quality, quantity or va-  
riety—for you to rely upon for supplying  
your Fall planting orders promptly and effi-  
ciently. The particularly favorable grow-  
ing season we have experienced this year  
has made it doubly sure you can—

Depend on Us for Your Every Need

*We Sell to Wholesalers Only*

*"One of America's Foremost Nurseries"*

**MOUNT ARBOR NURSERIES**  
SHENANDOAH, IOWA

E. S. WELCH, President

WHOLESALE



**EVERGREENS  
EXCLUSIVELY  
Large Nurseries  
Selected Trees**

*Write Us For Prices*

**THE DAISY HILL COMPANY**

NURSERY  
CHAGRIN FALLS,  
OHIO

OFFICE  
TERMINAL TOWER  
CLEVELAND, OHIO

**Forest Nursery Co., Inc.**

J. R. Boyd, President

McMINNVILLE.

TENNESSEE

Our New 36 Page Wholesale Trade List Offers

ALTHEAS	SYMPHORICARPOS
ALMOND	VITEX
AMORPHA	WEIGELIAS
ARONIA	ASH
BARBERRY	BIRCH
BUDDLEIA	CHESTNUT
BULBS	BEECH
CALYCANTHUS	CATALPA BUNGEI
CORNUS	CATALPA SPECIOSA
FORSYTHIAS	CERCIS CANADENSIS
DEUTZIA	ELMS
EXOCHORDIA	JUGLANS
EVERGREENS	LIRODENDRON
HYDRANGEAS	LOCUST
LILACS	MAGNOLIA
LIGUSTRUMS	MELIA- T. UMBRELLA
LONICERAS	MULBERRY
PHILADELPHUS	POPLARS
RHUS	SYCAMORE
SAMBUCUS	VINES
SPIREAS	WILLOWS

And many other varieties in Lining Out and larger sizes

All Nursery Grown

FORTY-TWO YEARS GROWING ORNAMENTALS

NOTHING SOLD AT RETAIL

**E. P. BERNARDIN  
Parsons  
Wholesale Nurseries**

PARSONS, KANSAS

Established 1870

**Specialties**

Amoor River North Privet, 2 yr.,  
2-3 and 3-4 ft., well branched.  
Bungei Catalpa, 4 1/2-8 ft. stems.  
Lombardy Poplar, 5-6 to 10-12 ft.  
Thurlo Willow, 5-6 to 10-12 ft.  
Lonicera Bella Albida, 2-3 to 5-6  
ft.  
Deutzia Pride 2-3 to 5-6 ft.  
Forsythia Aest., 2-3 to 4-5 ft.  
Tamarix Aest., 2-3 to 5-6 ft.  
Purple Wisteria, 2 & 3 yrs.

EVERGREENS—Biotas and Jun-  
ipers, in good supply.  
Early Harvest B. B. root grown  
plants.  
Long list of Ornamentals in gen-  
erous supply.

**"We Ship 'Em Quick"**  
HARDY SHRUBS, ROSES, PRIVETS, FRUIT  
TREES, GRAPE VINES and SHADE TREES.  
CUT LEAF WEEPING BIRCH, A SPECIALTY.  
**Champion Nurseries**  
PERRY, OHIO

**YAKIMA VALLEY GROWN**

Our thoroughly matured famous Yakima Valley grown stock is continuing to  
make good.

Let us quote you on Fruit tree seedlings, Chinese Elm seedlings, not bed  
grown but field grown in thin rows, therefore heavily calipered.

Birch, Cut Leaf	Locust, Pink	Prunus Triloba
Box Elder, Variegated	Maple, Globe Norway	Sycamore, European
Catalpa Bungei	Maple, Schwedleri	
Elm, American	Maple, Variegated Leaf	SHRUBS
Elm, Moline	Mountain Ash, European	Almond, Pink Flg.
Elm, Chinese	Poplar, Boissiana	Tamarix Hispida
Locust, Honey	Prunus Bireiana, Red leaf plum	

Carload rates to some point near you.

**WASHINGTON NURSERY COMPANY**

Toppenish, Wash.

**VILLOSA LILAC SEEDLINGS**

**EVERGREEN SEEDLINGS**

and

**TRANSPLANTS**

**WHITE BIRCH**

**LATHAM RASPBERRY PLANTS**

**J. V. Bailey Nurseries**

Daytons Bluff Sta.

St. Paul, Minn.

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Red or White, Plain or Printed

Sample Free

**OHIO NURSERY CO.**

Elyria,

Ohio

**American Bulb Company**

Importers and Growers of

Dutch Bulbs, Cannas, Tuberoses, Gladioli,  
Hardy Lilies, Manetti, Lily of Valley,  
Sphagnum Moss

Send For Free Catalogue.  
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**PECAN  
TREES**

CAR LOTS our specialty, but we accept  
orders from nurserymen for any number  
of trees.

**Simpson Nursery Co.**

Monticello, Fla. Established 1902

**BRISTOL'S TREES**

Northern-grown, Hardy Evergreens  
Forest and Ornamental Stock,  
especially Red Pine

H. R. BRISTOL, Plattsburg, N. Y.

**THIS SPACE**

**\$1.40 Per Issue**

Under Yearly Term \$1.25

## PIN OAKS are Scarce

YES, but there is a plentiful supply at "The Cole Nursery Company". **Five thousand** (5,000) beautiful trees in grades from 6 to 8 feet up to 2 inches. Also a few hundred on up to 5 inches.

**Right Prices—May We Quote You the Quantities Needed**

**SUGAR MAPLE**—In contrast to the Norway Maple outlook, all large nurseries are prophesying a continued shortage of Sugar Maple. This grand old native tree will always be in great demand. **Cole** has 20,000 Sugars, exceptionally well grown trees, 6 ft. to 8 ft., 8 ft. to 10 ft. and 10 ft. to 12 ft. Dirt cheap for quick sale.

### MORE GOOD SHADES

2,000	Sugar Maple	1 1/2" to 5"
20,000	Silver Maple	All sizes
3,000	Wier Maple	6' up to 2 1/2"
2,000	Ailanthus glandulosa	6' up to 2 1/2"
10,000	Catalpa bungei	2 yr. heads
5,000	Tea's Weeping Mulberry	2 yr. and 3 yr. heads
10,000	European Sycamore	All sizes
10,000	Lombardy and Bolleana Poplar	All sizes
3,000	Salix babylonica	6' to 8' and 8' to 10'
2,000	Salix niobe	6' to 8' and 8' to 10'
5,000	American Elm	6' up to 2 1/2"

ALSO QUALITY SHRUBS, EVERGREENS, FRUITS, IN FACT

*"Everything that's Good and Hardy"*

## THE COLE NURSERY COMPANY

Forty-eight years at Painesville, Ohio

### Leucothe Catesbaei RHODODENDRONS

Kalmias  
Azalias

Collected Landscape Grade clumps, B&B.  
Get our price list before buying. **Save!**

### WILDACRE NURSERIES

Collettsville, North Carolina

### HEADQUARTERS

Year in and Year out for  
**ONE YEAR APPLE**

and  
**JUNE BUDDED PEACH**

All Grades and Standard Varieties

Write for prices.

**CALIFORNIA PRIVET, ETC.**

Cumberland Valley Nursery Co.  
INCORPORATED

McMinnville, Tenn.

### Bolling Farms Nurseries

Growers

ORNAMENTAL SHRUBS  
BROAD LEAVED EVERGREENS,  
PRIVET, VINES, POPLARS,  
ARBORVITAE

And other Conifers

Catalog and list of our offerings will  
be sent upon request.

Bolling, Alabama, Dept. B

### WHITE BIRCH

(BETULA Papyrifera)

Plant This Fall Our  
Select Collected White Birch Seedlings

4-6 ft., \$16.00 C; \$ 95.00 M

6-8 ft., \$28.00 C; \$160.00 M

Don't confuse this stock with average collected  
material, for all stock will be individually graded  
by our experts. Will make a retail salable  
tree in a minimum of time.

**EVERGREEN NURSERY CO.**

Established 1864 Sturgeon Bay, Wis.

### LABELS FOR NURSERYMEN

**THE BENJAMIN CHASE CO.,**  
DERRY, N. H.

### Perennial and Alpine Plants

A list for Landscape Architects,  
Nurserymen and Gardeners.

**WESTCROFT GARDENS**

GROSSE ILE, MICHIGAN

PEONIES

WHOLESALE GROWERS

PEONIES EXCLUSIVELY

Ask for our price list

HARMEL PEONY COMPANY

BERLIN, MARYLAND

We will have our usual supply of

FRUIT, SHADE AND

ORNAMENTAL TREES

FLOWERING SHRUBS

APPLE SEEDLINGS

PEAR SEEDLINGS

and

FOREST TREE SEEDLINGS

for Fall 1929

If you are interested in

one year

**KIEFFER and GABBER PEAR**

**HYDRANGEA PANICULATA**

**SPIREA VANHOUTTE**

or

**AMOR RIVER PRIVET**

write us.

We can quote you favorable prices  
on these items

**J. H. SKINNER & CO.**

Topeka, Kansas

### Nurseryman Profits by Our Home Study Course in LANDSCAPE ARCHITECTURE



Wm. N. Alcorn, Jr. writes

"When I started your course  
I was nursery foreman—now I  
am nursery superintendent.  
Your course did me a tremendous  
amount of good. I greatly  
recommend it to any one  
desiring a quick, practical  
knowledge of the landscape  
business."

**You, Too, Can Better Your Position**

Our quickly-mastered home study course has enabled  
many to find success in this uncrowded profession.

**Unlimited Opportunities**

—await Landscape Architects. Experts earn \$5,000  
a year up, and the demand far exceeds the supply.

**SEND THIS COUPON TODAY.**

Gentlemen: Please send me details regarding  
your Home Study Course.

Name .....

Address .....

**AMERICAN LANDSCAPE SCHOOL**

10 Plymouth Bldg. DES MOINES, IA.

### Old Dominion Nurseries

**W. T. HOOD & COMPANY**

Richmond, Virginia

We have to offer for Fall 1929 and Spring  
1930 a complete line of stock, consisting of  
100,000 Evergreens, assorted varieties and sizes,  
20,000 Azaleas, Hinode-Giri and Amoena, 10,000  
Pink Flowering Dogwood—large assortment of  
shrubs, Amoor River Privet North—California  
Privet, also a full line of Fruit and Ornamental  
trees. Extra attention given to packing. Our  
experience in handling orders both wholesale  
and retail covering a period of 60 years is your  
guarantee of arrival of stock in prime condition.  
Send us your list for quotation.

**LESS THAN FIVE CENTS A WEEK**—Issued 1st and 15th of each month. The National Journal of Commercial Horti-

**AMERICAN NURSERYMAN**

Chief Exponent of the Nursery Trade

culture. National and international circulation. Reaching every State in the  
Union. Journal appreciated by upward of 2500 Nursery readers. Subscription:  
\$2.50 per year; three years for \$6.00. A one-inch advertisement for \$1.40; under  
yearly term, \$1.25.

## AMERICAN NURSERYMAN — October 15, 1929

**EDITORIAL DEPARTMENT**—Communications on any subject connected with Commercial Horticulture, Nurseries or Arboriculture are cordially invited by the Editor; also articles on these subjects and papers prepared for conventions of Nursery or Horticultural associations. We also shall be pleased to reproduce engravings relating to these topics, Orchard Scenes, Cold Storage Houses, Office Buildings, Fields of Stock, Specimen Trees and Plants, Portraits of Individuals, etc. Engravings will be made from photographs at cost.

**Advertising**—Last forms close (semi-monthly) on the 10th and 25th of each month. If proofs are wanted, copy should be on hand one week earlier.

"AMERICAN NURSERYMAN" is distinctive in that it reaches an exceptional list and covers the field of the business man engaged in Commercial Horticulture—the carlot operator. Here is concentrated class circulation of high character—the Trade Journal of Commercial Horticulture, quality rather than quantity.

"AMERICAN NURSERYMAN" will not accept advertisements that do not represent reliable concerns.

**SUBSCRIPTIONS**—"AMERICAN NURSERYMAN," published semi-monthly, on 1st and 15th, will be sent to any address in the United States for \$3.50 a year; to Canada or abroad for \$5.00 a year. Single copies of current volume, 20c; of previous volumes, 25c.

RALPH T. OLCOTT  
Editor, Manager.

AMERICAN FRUITS PUBLISHING COMPANY, INC.

20 State Street,  
Hoboken, N. Y.

**WHAT THIS MAGAZINE STANDS FOR**—Clean chronicling of commercial news of the Planting Field and Nursery. An honest, fearless policy in harmony with the growing ethics of modern business methods.

Co-operation rather than competition and the encouragement of all that makes for the welfare of the trade and of each of its units.

Wholesome, clean-cut, ring true independence.

**INDEPENDENT AND FEARLESS**—"AMERICAN NURSERYMAN" makes no distinction in favor of any. It is untrammeled in its absolutely independent position and rates the welfare of the Nursery Trade above every other consideration.

This Magazine has no connection whatever with a particular enterprise. Absolutely unbiased and independent in all its dealings.

Though it happens that its place of publication is in the eastern section of the country, it is thoroughly National in its character and International in its circulation.

Its news and advertising columns bristle with announcements from every news corner of the Continent.

It represents the results of American industry in one of the greatest callings—Commercial Horticulture in all its phases of Nursery Stock, Orchard and Landscape Planting and Distribution.

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## HEADQUARTERS

*Fall 1929—Spring 1930*

For the Best Lot of  
**FRUIT TREE SEEDLINGS**

You Ever Planted  
**FRENCH AND AMERICAN**

**PEACH TREES**—Mostly budded from bearing buds.  
Seed sowed in the spring, which insures a whole root.

**H. T., H. P. and CLIMBING ROSES**—Compliments received last spring show we have the grade.

**CALIFORNIA PRIVET**—2-3 ft., 18-24" and 12-18".  
Have a surplus. Quoting low prices for early orders.

**PERENNIALS**—Nice assortment, twice transplanted.

And of course a Complete Line of Other Stock.

We want your business.

It will pay you to ask for prices.

**C. R. BURR & CO., Inc.,**  
GENERAL NURSERYMEN  
MANCHESTER, CONNECTICUT

## Specimen Evergreens

We offer several blocks of large Evergreens including

American Arbor Vitae  
Douglas Golden Arbor Vitae  
Globosa Arbor Vitae  
Compacta Arbor Vitae  
Austrian Pine  
Balsam Fir  
Douglas Spruce  
Black Hills Spruce  
Norway Spruce

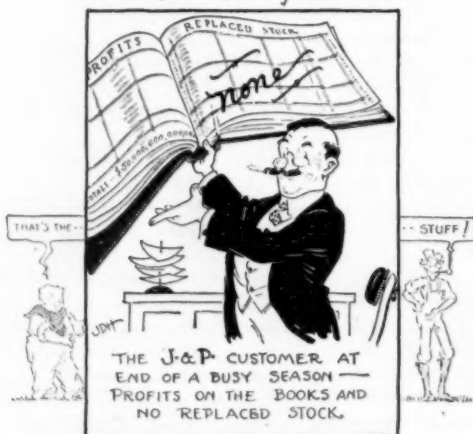
Come and examine the stock. We will tag trees especially for your order.

**The SHERMAN NURSERY Co.**  
Department C, Charles City, Iowa

## The Preferred Stock

NO. 3 OF A SERIES

NURSEYMEN WE  
HAVE MET--By Jack & PERK



Here's a picture we like to see! This particular type of Nurseryman has been increasing every year. This season there has been a bumper crop of them—probably because their own crops of profits have been bumper.

Yours suggestingly,

**Jack**

**Jackson & Perkins Company**  
Wholesale Only  
Newark, New York.



Ornamental Shade Trees  
Catalpa Bungei  
Norway Maple  
Mountain Ash  
Weeping Mulberry  
Dogwood Red and White

and Our usual line of

**SHRUBS, CONIFERS AND HIGH GRADE ROSES**

Send us your want list for Special Quotation

**The Huntsville Wholesale Nurseries, Inc.**  
Huntsville, Alabama

1872—FIFTY-SEVEN YEARS—1929

Source of **RELIABLE** Nursery News

Is the Nursery Trade Journal

**Exclusively for Nurserymen**

Those who are content  
with a side issue  
Get side issue results

The only publication in America devoted to the Nursery Trade in general as a Main Issue is the

**AMERICAN NURSERYMAN**

# AMERICAN NURSERYMAN

[Reg. U. S. Pat. Off.]

## The Chief Exponent of the American Nursery Trade National Journal of Commercial Horticulture

Entered September 6, 1916, at Rochester, N. Y. Post Office as second-class mail matter

WITHOUT OR WITH OFFENSE TO FRIENDS OR FOES, I SKETCH YOUR WORLD EXACTLY AS IT GOES.—BYRON

VOL. L

ROCHESTER, N. Y. OCTOBER 15, 1929

No. 8

### Requisitions for Plant Material Criticized

Government Orders Should Require That Stock Must Be Apparently Free From  
Dangerous Insect Pest and Diseases, Says T. D. Chenoweth

IN HIS ADDRESS BEFORE CALIFORNIA NURSERY ASSOCIATION

In his annual address at the convention of the California Association of Nurserymen in Fresno, [A. N., Oct. 1, p. 133] President T. D. Chenoweth, Beverly Hills, expressed appreciation of the effective work of Secretary Henry W. Kruckeberg, the board of directors and the committees, citing particularly the accomplishments of Mr. Scherer and his committee on plant standardization—uniform grading of plants and the raising of the standard of Nursery stock in general; those of Theodore Payne on native vegetation; of Edward H. Rust and Roy F. Wilcox on insect pests and diseases; of Walter Armacost on publicity. Discussing things he hopes to see the association accomplish, Mr. Chenoweth said:

"I want to see this association represented on the Agricultural Council of the State of California. It is within the power of Governor Young to appoint a man from this association and I believe that if his attention were brought to the fact that the Nursery Industry, in this state, represents an investment of at least \$100,000,000 and an annual turnover of, at least, \$40,000,000, he would be eager to recognize the industry as a most important one by making such an appointment.

"Another thing that I would like to see, is the state, county and city governments of California set a good example to the citizens of the state, in one particular. That is with respect to producing Nursery stock free from pests and diseases. The oldest principle of our common law is that the source of our government must be free from all taint of injustice and of such probity as to be above reproach. With this fact and principle in mind it is hard to reconcile one's self to the conditions found in our government today.

"In our department we see the duly authorized representatives of our government urging us and demanding of us that our premises be cleaned and kept free of dangerous insect pests and diseases; and in another department we see duly authorized representatives of the same government maintaining and propagating enormous stocks of trees, shrubs and flowers, under conditions of infestation and disease not exceeded by the most careless and indifferent of commercial growers.

"These stocks are disseminated along the highways of our state and counties, along the streets of our cities and in the

parks of every jurisdiction. By making this statement I do not mean unduly to criticize the men who are in charge of these various public enterprises, but I do criticize and condemn the legislators who have permitted this condition to exist.

I have seen a great many requisitions for plant material sent out by representatives of various political units and I have never seen indicated thereon the provision that the bidder was required to furnish stock, "apparently free from dangerous insect pests and diseases," except in one instance. I prepared that requisition form myself for the City of Beverly Hills.

"My friends, if the various counties of the state and the various cities would set the example of maintaining clean Nurseries, and would only buy from clean Nurseries, all the Nurseries of the state would soon show a marked improvement."

At the Fresno convention of the California Association of Nurserymen officers were elected as follows: President, J. A. Armstrong, Ontario. Vice-presidents, H. A. Hyde, Watsonville; H. J. Sherer, Compton; J. M. Asher, Los Angeles; George Budger, Berkeley; Treasurer, M. R. Jackson, Fresno; Secretary, Henry W. Kruckeberg, Los Angeles. Five directors: Albert M. Morris, San Fernando; T. D. Chenoweth, Beverly Hills; W. B. Clarke, San Jose; R. D. Hartman, San Jose, and Treasurer Jackson.

### Massachusetts Systematically Planting Its Roadsides

Nurserymen should hurry if by concerted action they are to head off widespread municipal and other governmental provision of material for roadside planting.

A state Nursery is a necessity in roadside development on any worthwhile scale, writes James H. Taylor, highway landscape supervisor, Massachusetts Department of Public Works, in discussing the planting of trees and shrubs along highways in a recent issue of Public Roads, a publication of the Bureau of Public Roads of the United States Department of Agriculture. The planting of "small stuff" or trees of insufficient growth is a waste of money, he says.

The Nursery is needed, Mr. Taylor says, as a propagating area, for planting stock bargains and holding them until they are needed, for planting collected stock and growing it until fit for the roadside, and for studying the characteristics of plants

and this adaptability to the roadsides.

"The Nursery is the laboratory and experimental station of roadside improvement," he says.

The Massachusetts state highway system has 1,600 miles of road and is divided into seven districts. Mr. Taylor hopes to make each district sufficient unto itself in the matter of tree and roadside care by perfecting district units for this distinct purpose.

At present work is carried on from a base in the centrally located town of Palmer, where there are twelve acres of Nursery, seed beds, propagation farms, greenhouse, storage cellar, forge, sheds for housing and storing machinery, explosives, and necessary materials. From this base it is possible to give efficient, statewide service, adequate to any roadside need, whether it be planting, care, repair, or removal.

### Nursery Takes On Architect

Clinton Goodloe Johnson, landscape architect, recently of Louisiana, Mo., comes to Louisville with the Louisville Nurseries, in St. Matthews, in the capacity of architect for this firm, says the Louisville Courier Journal. Mr. Johnson has had four years' technical training at the University of Illinois and years of practical experience in handling both the designing and execution of landscape work. He has for the past three years been in charge of the eastern landscape department of Stark Brothers' Nursery at Louisiana, Mo., the oldest Nursery in the United States today.

One of the highlights of Mr. Johnson's success has been the designing and consultation work for the Park Board of Evanston, Ill. Another outstanding work was achieved in the designing of the grounds for the Sisters of Divine Providence near Pittsburgh. In addition to these, Mr. Johnson has had considerable eastern experience.

The arrival of Mr. Johnson marks the opening of a new service to clients who have been obliged to go elsewhere for competent service in landscape designing.

Mr. Johnson has a large number of friends and relatives in Kentucky. He is the grandson of the late Governor Owsley of Kentucky.

# Texas Nurserymen Demand Adequate Inspection

## With Five Inspectors For 1800 Nurseries and Greenhouses Nurserymen Will Be Still More Handicapped—Regulations Against Texas Are Tightening

### NURSERYMEN ARE RESTING EASY, THE GOVERNMENT IS WORRYING

By J. S. Woodard, Chief Nursery Inspector, Texas Department of Agriculture

In his address at the annual convention last month of the Southwestern Nurserymen's Association, which caused the members of that association to ask the authorities to provide appropriation for adequate inspection of Nursery stock [A. N., Sept. 15, p. 111], J. S. Woodard, chief Nursery inspector Texas Dept. Agriculture, said:

As we Nursery inspectors go from place to place inspecting Nurseries and greenhouses it seems to be the attitude of some Nurserymen and florists that the only mission of the inspector is to collect the fee and pass on. I want you to understand that we do not receive one penny of this inspection fee, and neither does it go to finance the Nursery inspection work, but is turned into the State Treasury and probably used for some other funds that are not as necessary as are the funds for Nursery inspection work.

If it were left up to me, I had much rather see some poor man or widow with a bunch of children that is trying to make a living by selling a few plants receive this fee than to collect it and turn it in to the state treasury. It is not the intention of the Nursery law to charge this fee as a tax on those who offer plants for sale.

#### Here's Your Fee That You Came For

I have had Nurserymen and florists tell me the minute that I entered their premises: "Here's your fee, as this is what you have come for." I have heard of others who had made the remark that the inspector just strolled up and down a few of the rows of their Nursery and did not stop to examine a thing. I want you Nurserymen and florists to understand that the fact that he did this was sure evidence that your stock was clean, for the experienced inspector soon learns to detect a sick or diseased plant by merely glancing at it.

The Nurserymen and florists often tell us that they do not need an inspection since they do not intend to ship any plants. I wish that I could make every person who has any plants for sale see that this is not the purpose of the law, but the purpose of the law is to prevent the spread of dangerous insects and diseases. I can easily see how the average Nurseryman or florist can hold such views as this, since Texas for a number of years has been on the frontier of the continent and has not suffered from the ravages of insects and diseases as have our sister states farther east that have been more densely populated.

Records show that some 40 years ago we could raise two and three bales of cotton per acre. The codling moth that has this year ruined our entire fruit crop was unheard of, and peach and apple trees lived to be 40 to 50 years of age, and we knew nothing of the flat-headed borer, the shot-hole borer; knew nothing of the fruit fly, plum canker, pink boll worm, and a number of other things that we now have to contend with.

Wait until we are tied hand and foot

with federal and state quarantines and regulations and are not permitted to ship from one county to another in our own state on account of the Argentine ant, sweet potato weevil, sugar cane borer, European borer, western corn borer, browntail moth, Oriental peach moth, Japanese beetle, Mediterranean fruit fly, potato tube moth, and who knows what else; then you will have some grounds for complaining of quarantines and will be glad to see an inspector coming at any time.

#### "Some States Against Us Now"

At the rate Texas is traveling with her five inspectors and her 1800 Nurseries and greenhouses scattered from Texarkana on the east to El Paso on the west and from Dalhart on the north to Brownsville and Port Arthur on the south, it is only a matter of time until we will not be permitted to ship into any of the other states in the Union unless we are able to give definitely just where in Texas the different dangerous insects occur. Some states are quarantined against us now on account of infestation of the sweet potato weevil, some on account of the nut case-bearer, and others on account of the Oriental peach moth, still others on account of the presence of root-rot. Besides the inspection of these 1800 Nurseries and greenhouses our inspectors are required to know just what counties and in what communities of each county these insects and diseases mentioned above are found.

We are not permitted to ship any peach stock whatever from Texas in California due to the fact that one larva of the Oriental peach moth was found in Dallas some six years ago, even though Dallas is some 500 or 600 miles from other sections of the state where the Oriental peach moth was never heard of. Some states require three inspections of each Nursery and greenhouse before they will accept shipments from these places, and you can easily see what the results would be if they required three inspections of all Nurseries and greenhouses. I just mentioned a few of these instances to show you what Texas is coming to if we do not have more inspectors and make a more thorough inspection over the entire state.

#### Nurserymen Resting Easy

The Nurserymen have been resting easy, and the Nursery Division has been doing the worrying; but this worrying is going to spread, for it is contagious. There has been an uproar from all over the state since the Department of Agriculture of California exacts from Texas Department of Agriculture that all shipments of plants from Texas to California come from an area known not to be infected with root rot. We are not able to supply this information, as we do not have the inspectors to determine just where root-rot occurs and where it does not. You might then ask me why we do not have more inspectors. My answer is this: We have asked for more inspectors from year to year, but the

Nurserymen and florists have fallen down on their part in helping us to ask for these inspectors.

At the rate we are drifting we are going to be tied up completely in a few years by federal and state quarantines. In order that you may obtain some idea of how Texas compares with other state departments of agriculture in the Union that have Nursery inspection laws, I have asked them for a copy of their law, the number of Nurseries that they inspect, the number of inspectors, their salaries and the amount of traveling funds spent by each inspector. Most of them have replied and in practically every case they have a Nursery inspection law that seems to be patterned quite a bit as our law, or at any rate they are all quite similar.

#### How Texas Ranks

In order that you may know just how Texas ranks with these other states in the Nursery inspection work, I am giving you the figures:

State	Number of Nurseries	Number of Field Men	Salary per Month
Missouri	175	2	\$200
New Hampshire	19	1	200
Georgia	266	5	200-250
Mississippi	279	10	150-200
Delaware	20	1	200
Alabama	160	9	150-175
Arkansas	106	2	190-200
Indiana	253	3	200-166
Louisiana	399	7	135
Colorado	59	1	200
Florida	2159	13	190-225
California	1855	300	150
Tennessee		7	150-200
Minnesota	175	5	150-200
Iowa	249	1	300
Michigan	356	7	200
Indiana	150	2	200
Illinois	500	4	150-200
Kansas	195	2	166-200
Kentucky	69	1	200
Utah	24	10	200
Virginia	150	2	300
Connecticut	238	5	250
Vermont	53	1	200
Wisconsin	292	2	200
Rhode Island	42	1	300
Massachusetts	243	1	300
Oklahoma	150	1	150
North Dakota	18	1	250
Wyoming	12	2	150-200
Nevada	1	1	150-300
Pennsylvania	3	6	150-200
Ohio	1036	8	150-200
Idaho	15	9	150-175
Nebraska	150	1	300
Texas	1800	5	125

#### Traveling Expenses Compared

Traveling expenses are provided as follows in the states named: Tennessee, \$2,600 per year; Minnesota, \$1,400; Iowa, \$9,000; Illinois, \$5,300; Utah, \$7,000; Texas, \$40 per month. In each of the other states the allowance is stated: "Necessary expenses."

The fees collected in accordance with the Texas Nursery law for the past two years have amounted to about \$10,000 and

(Continued on Page 157)

# Cooperation With Entomologists Is Important

## How To Do This For Direct Benefit—Nurserymen Are Missing Opportunity—What Nurserymen Might Do—Simple Regulations

### ENTOMOLOGY OFFICE A CLEARING HOUSE FOR NURSERYMEN

By R. W. Leiby, State Entomologist of North Carolina, Before Southern Nurserymen

In his address at the annual convention of the Southern Nurserymen's Association in Birmingham, Ala., last month, State Entomologist R. W. Leiby, of North Carolina, discussing relations between a state entomologist and the Nurserymen of his state urged the value of cooperation and referred to the Japanese beetle problem as causing pronounced opinions with regard to regulations. "As long as the place for a boil is on the other fellow's neck and there is danger of its spreading, other Nurserymen outside of the Japanese beetle territory will not think that the regulations are too stringent." Incidentally he remarked that during the 1928-1929 shipping season 11,420 shipments of Nursery stock, bulbs, etc., were received in North Carolina from Nurseries within the Japanese beetle area.

**Always Will Be Concerned**—"Most of our insects are transmissible on living plants or within soil attached to roots of plants," said Dr. Leiby. "The Nursery business always has been, and always will be, vitally concerned and affected. The Mediterranean fruit fly, for example, is a pest of fruits and vegetables, but unfortunately it can be disseminated in the pupal stage in soil. Because of this danger, the movement of Nursery stock must be regulated, even though the pest in question does not directly affect Nursery-grown plants." Continuing he said:

**How To Cooperate**—All of us concerned, Nurserymen and entomologists, will need to cooperate in handling such problems as the Japanese beetle and the fruit fly. And I am sure we can agree upon their control if we will educate each other and ourselves on the phases of the insect problem about which we know most—the entomologist showing the Nurseryman fairly what regulations seem advisable in order to hamper the spread of an insect or to eradicate it, and the Nurseryman pointing out fairly how his business would or would not be affected by the proposed regulation.

**Simple Regulations**—The regulations of the North Carolina department of agriculture regarding the movement of Nursery products from other states into North Carolina are perhaps more simple than those of most other states. We require only a duplicate of the state's inspection certificate to be filed in the entomologist's office and the attachment of a permit certificate tag to each shipment. The tag is not serially numbered, is issued at cost and

unused tags need not be returned. There are no out-of-state fees required. We believe that this simple system gives us adequate protection—it accepts the inspection of other states.

**Effect of Small Inspection Fee**—In recent years the North Carolina department of agriculture has placed a small inspection fee upon the Nurseries in North Carolina. The fees cover about one-seventh the cost of the inspection. Only a few of the smaller Nurseries object to the fee. The effect of the fee has been interesting. It has been the means of establishing a more personal contact between the entomological office and the Nurserymen. It has given our inspectors a feeling of responsibility to the Nurserymen and instilled in them a desire to make the Nurseryman feel that he is getting the worth of his fee in some way or other.

**Cleaning House for Nursery Problems**—We like to feel that our entomology office is a clearing house for our Nurserymen's problems, especially those relating to insect and disease control, and to some extent those problems relating to the growing of Nursery stock. We encourage the reference of insect and disease inquiries from customers to our office for reply, and many of our Nurserymen are taking advantage of our offers in the ways just mentioned.

**Nurserymen Miss Opportunity**—In my personal contacts with the Nurserymen I find that few have any scientific knowledge of the value of the use of fertilizers in the growing of trees and shrubs, though propagation and pruning are fairly well understood. I think there is only one Nurseryman in North Carolina who has ever called on the agronomy division of the state college for comprehensive information on the use of fertilizers. The Nurseryman seems to gather his own information through experience and, indeed, he seems reluctant to impart what he has learned to others. He should take advantage of the educational agencies in his state, just as the farmer does, and consult the horticultural, agronomy, botanical and entomological workers in them. So far as I know, not a single state experiment station in the South is conducting any field experiments pertaining to the Nursery industry. And yet there are numerous problems that need attention.

**What Nurserymen Might Do**—My limited personal experience in trying to grow eighty-nine varieties of conifers, broad-leaved evergreens and flowering shrubs on a city lot, leads me to believe that the problems of the browning or bronzing during winter of some of the arbor-vitae and the retinispores may be solved by timely applications of fertilizers; that the dwarf types of plants may be hastened in their growth at the will of the Nurseryman more rapidly than is now thought possible; that the plants like the much desired azaleas can be grown successfully by the public with a few simple printed instructions, whereas

the Nurseryman now seems reluctant to push the selling of azaleas because they are not likely to thrive and prove satisfactory to the customer; and finally that a series of field tests would reveal to us how the shipping and transplanting season of many Nursery plants could be materially lengthened.

#### Pioneer California Planting

In an article on "Pioneer Planting of California," in the Pacific Rural Press, Secretary Henry W. Kruckeberg, of the California Association of Nurserymen says:

"As early as 1838 William Wolfskill planted citrus fruit trees in Los Angeles, presumably on the ground where a portion of the roaring town now stands. In 1848 A. P. Smith had for sale in Sacramento a stock of fruit trees and ornamental plants which, by 1857, had grown to 194,000 in number consisting of many varieties. In the same year B. S. Fox budded 63,000 trees at San Jose, which was increased to 100,000 trees a year later. In 1856 William Wolfskill had 9,000 orange trees and 6,000 lemon trees, Dr. S. W. Halse 14,000 citrus and H. C. Cardwell 15,000 trees and shrubs of all kinds, all of which goes to prove that while the early history of California is tinged with the lure of gold, it nevertheless was plain that commercial horticulture in its various forms would be the ultimate greatness of the state.

"Among individual exhibitors of fruits and nuts, flowering shrubs and ornamental plants at Sacramento from about 1870 up to the time of his death in 1904 was John Rock. These exhibits were distinctive in character from the fact that they embraced many varieties of apples, pears, peaches, plums, prunes, apricots, cherries, walnuts, filberts, olives and figs all correctly labeled. In 1884, John Rock, in association with B. S. Fox and others, founded the California Nursery Company at Niles, which for years was the chief source of supply for fruit trees in California. By the older generation John Rock is regarded as California's outstanding Nurseryman and plantsman.

"Among the pioneer propagators in the southern tier of counties there was Thomas A. Garey of Los Angeles, who wrote a treatise on citrus culture which was published by the Pacific Rural Press. It is doubtful if one in a thousand of the present generation ever heard of Thomas A. Garey; yet he it was who propagated and made known the Eureka lemon."

#### Better Business Bureau Warning

Many people attach to little importance to papers they sign in connection with purchase agreements entered into, according to a bulletin just released by the National Better Business Bureau, 389 Madison Avenue, New York City. The warning is considered timely by the Bureau because since the increased popularity in partial payment sales, all of which necessitates a written agreement, purchasers have come to regard these contracts just as a matter of form. The legitimate dealers have been straightforward in their trading with the result that failure to read their contracts has brought the purchaser no grief. This, the Bureau states, has left the gate wide open for the swindling salesmen who have not overlooked the opportunity.

Edward Sherrock, Nurseryman, is now a member of the staff of Brinckerhoff, Inc., Chicago advertising agency. He will have charge of the Nursery department.

#### Texas Inspection

(Continued from Page 156)

nually. This would just about cover all expenses of the Nursery work against the state. If we had enough funds to employ men to cover the state thoroughly at the proper time during tree-digging and shipping season we could collect enough fees from tree peddlers and "bootleggers" that are getting by without paying a fee, to pay the salaries and expenses of several additional inspectors.

# AMERICAN NURSERYMAN

## American Nursery Trade Bulletin



### CHIEF EXPONENT OF THE AMERICAN NURSERY TRADE

Featuring the Nursery Trade and Planting News of American and foreign activities as they affect American conditions. Fostering individual and associated effort for the advancement of the Nursery and Planting Industry.

Absolutely independent.

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Phones—Main 5725, Glenwood 700  
Chief International Publication of the Kind

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One Year, in advance	-	\$3.50
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Single Copies	-	.30

ADVERTISING RATES on Application  
Advertisements should reach this office by the 10th and 25th of the month previous to the date of publication.  
If proof of advertisement is desired, time should be allowed for round trip transmission.

ROCHESTER, N. Y., OCTOBER 1, 1929

### FOUNDER OF AMERICAN NURSERY TRADE JOURNALISM

THE FIRST Nursery trade paper in America was established in 1893, as long-time Nursery concerns know, and for nearly thirteen years was conducted under the personal and exclusive direction of Ralph T. Olcott, of Rochester, N. Y., who later founded the AMERICAN NURSERYMAN on broad and untrammelled lines.

"The dean of Nursery Trade Journalism."—John Watson.

### Valuable Beyond Estimate

All the advertising in the world will not build your business, it only creates a little more demand and you must back it up with efficient merchandising, not merely order taking.

Nobody wants to buy advertising, but what business can get along without it? Advertising has little value in itself; but the desire it creates, the knowledge it conveys, the cause to which it spurs us and the time it saves are valuable beyond estimate.

The power of the printed word depends upon the thought behind it. All things come to the other fellow if you only sit down and wait. Advertising helps to get the new customer. Why not employ it to hold him? Advertising should be prepared for prospective buyers not for advertising men. Successful advertising factors are regularity, persistence and continuity.

When customers ask questions they are entitled to complete, correct answers. Don't expect one little piece of advertising to bring in an avalanche of orders; the biggest snowdrift piled up flake by flake.—H. G. Loftus, St. Paul, Minn.

All Government Manned—Sam F. Brewster, landscape specialist, of the Alabama Polytechnic Institute, Auburn, Ala., visited Sumter County in that state Oct. 3-4 to assist County Agents Copeland and Bonner in landscaping the grounds of the State Secondary Agricultural School Farm at Cuba and the York County High School.

## The Mirror of the Trade

### MEMBERS SIGN THE CODE

Members of the Southwestern Nurserymen's Association are required to sign the Code of Ethics adopted by the association at its Memphis convention last year. The code on printed sheets is sent in duplicate to each member who will sign one copy and return it for the secretary's files; the other copy the member may keep, and, if he desires, may frame it for hanging in his office. Hereafter applicants will be required to subscribe to the code before admission to membership.

The American Nurseryman has repeatedly suggested the advisability of publicly displaying in appropriate manner the Code of Ethics adopted by a Nursery trade association. A code covering all business transactions, in and out of the trade, is an asset to a Nursery concern in that it shows organized action to maintain operations upon a high plane. To the extent to which is known the code under which an organization operates depends the value of the announcement: "Member of — Association." Some codes of ethics proposed in the Nursery trade have been narrow in their scope, dealing only with transactions between members of the trade. The code which covers transactions outside of as well as in the trade is the effective one. Such a code is that of the Southwestern Nurserymen's Association which is published herewith again [A. N., Sept. 15, 1928, p. 135]:

Each member of this Association shall have a lively interest in all that relates to the welfare of the Nursery industry as well as to the civic welfare of his community.

All services undertaken shall be so creditably performed that membership in this association shall signify the highest and best there is in Nursery skill, ability and practice.

It shall be unethical for a member to sell knowingly at retail at a price that is as low or lower than his price to the Nursery trade.

The membership of this association shall consider the protection of the customer's interest by selling only such stock as can be expected to give perfect satisfaction; or, if wholesale, can be re-sold by the customer on a profitable basis. In connection therewith, each member shall make adjustments cheerfully and give the customer the benefit of any doubt which might arise. A satisfied customer is worth a dozen disgruntled ones.

No executive or owners will directly or indirectly offer employment to any employee of another Nurseryman. This shall not be construed so as to prohibit negotiations with anyone who, on his own initiative or in response to public advertisement, shall apply for employment. Hiring employees away from a competitor or inducing them to leave by other means is considered unethical.

Make contracts only after carefully reading and understanding them and then stick to your agreement and deal with your associates in a manner that will command trust and confidence.

Nursery Offers Land To County—For the first time in the history of Westchester County, N. Y., land was offered this month for free dedication to the county in a grade crossing elimination program. The Amawalk Nurseries offered to give a strip of land 800 feet long and 50 feet wide to the county so that the grade crossing of the Putnam Division of the New York Central Railroad and the Saw Mill River road at Amawalk might be eliminated.

### PAST PRESIDENTS, A. A. N.

Formation of the Past Presidents Association to include living past presidents of the American Association of Nurserymen has renewed interest in the list of those who have served the A. A. N. as president.

In the last issue of this journal [A. N. Oct. 1, p. 138] a list of presidents from 1876 to 1899 was given. Herewith is the entire list to date, for those who may wish to preserve it.

The records of the American Nurseryman show (Aug. 1924 issue) that the American Association of Nurserymen was permanently and officially formed June 14-15, 1876, in Chicago. At a meeting of the Northern Illinois Horticultural Society at Crystal Springs, Ill., in January 1876 a group of Nurserymen got together and decided to call a national meeting of Nurserymen in Chicago the following June. At this January meeting Edgar Sanders of Chicago was elected temporary president; D. Wilmott Scott, Galena, Ill., secretary, and A. R. Whitney, Franklin Grove, Ill., treasurer. At the first convention in Chicago, in June 1876, Elisha Moody, Lockport, N. Y., was elected president; Messrs. Scott and Whitney retaining their offices.

### The Honor Roll

- 1876—Elisha Moody, Lockport, N. Y.
- 1877—J. S. Stickney, Wauwatosa, Wis.
- 1878—J. J. Harrison, Painesville, O.
- 1879—T. S. Hubbard, Fredonia, N. Y.
- 1880—N. H. Albaugh, Tadmor, Ohio.
- 1881—N. H. Albaugh, Tadmor, Ohio.
- 1882—Norman J. Colman, St. Louis, Mo.
- 1883—M. A. Hunt, Chicago.
- 1884—Edgar Sanders, Chicago.
- 1885—Norman J. Colman, Washington, D.C.
- 1886—C. L. Watrous, Waterloo, Ia.
- 1887—C. L. Watrous, Des Moines, Iowa.
- 1888—Geo. A. Sweet, Dansville, N. Y.
- 1889—Geo. A. Sweet, Dansville, N. Y.
- 1890—S. M. Emery, Lake City, Minn.
- 1891—J. Van Lindley, Pomona, N. C.
- 1892—H. Augustine, Normal, Ill.
- 1893—U. P. Pearsall, Fort Scott, Kan.
- 1894—J. H. Hale, S. Glastonbury, Conn.
- 1895—Silas Wilson, Atlanta, Iowa.
- 1896—Silas Wilson, Atlanta, Iowa.
- 1897—Irving Rouse, Rochester, N. Y.
- 1898—A. L. Brooke, Topeka, Kan.
- 1899—Wilson J. Peters, Troy, Ohio.
- 1900—Theodore J. Smith, Geneva, N. Y.
- 1901—Robert C. Berckmans, Augusta, Ga.
- 1902—Charles A. Ilgenfritz, Monroe, Mich.
- 1903—N. W. Hale, Knoxville, Tenn.
- 1904—E. W. Kirkpatrick, McKinney, Tex.
- 1905—Emory Albertson, Bridgeport, Ind.
- 1906—Orlando Harrison, Berlin, Md.
- 1907—J. W. Hill, Des Moines, Ia.
- 1908—Charles J. Brown, Rochester, N. Y.
- 1909—F. H. Stannard, Ottawa, Kan.
- 1910—William P. Stark, Louisiana, Mo.
- 1911—John H. Dayton, Painesville, O.
- 1912—Thomas B. Meehan, Dresher, Pa.
- 1913—J. B. Pilkington, Portland, Ore.
- 1914—Henry B. Chase, Chase, Ala.
- 1915—Edward S. Welch, Shenandoah, Ia.
- 1916—John Watson, Newark, N. Y.
- 1917—Lloyd C. Stark, Louisiana, Mo.
- 1918—J. R. Mayhew, Waxahatchie, Tex.
- 1919—J. Edward Moon, Morrisville, Pa.
- 1920—Lloyd C. Stark, Louisiana, Mo.
- 1921—M. R. Cashman, Owatonna, Minn.
- 1922—Paul C. Lindley, Pomona, N. C.
- 1923—Harlan P. Kelsey, Salem, Mass.
- 1925—George A. Marshall, Arlington, Neb.
- 1927—W. W. Hillenmeyer, Lexington, Ky.
- 1928—Wm. Flemer, Jr., Princeton, N. Y.
- 1929—A. M. Augustine, Normal, Ill.

For a long time the files of the American Nurseryman have been without the name of the president in 1878. But Secretary Sizemore advises that from the T. S. Hubbard Co., Fredonia, N. Y., he has received an old price list showing that J. J. Harrison was president in that year.



## THE ROUND TABLE

Comment and Suggestion

By Readers For the  
PROGRESS OF THE INDUSTRY



### Highway Planting

George C. Roeding, Jr.  
California Nursery Co.,  
Niles, California

Dear Mr. Roeding: I was interested in your communication on the subject of highway planting which was published in *American Nurseryman* of September 15th. The fact is, of course, that Nurserymen are already taking definite steps to encourage highway planting greatly to their own benefit, and there is no doubt that this could be carried much further.

A case in point is the fact that the new book, "Roadside Development," by J. M. Bennett, which we just published, has already been purchased in quantity by certain progressive Nursery firms who are getting the good will of those responsible for public planting, and at the same time stimulating their own business by presenting copies of this new and useful book where they will do the most good.

Perhaps you may have noticed the first page review of roadside planting in a recent issue of *American Nurseryman*, in which the editor called special attention to the importance of this new book to Nurserymen generally.

If it happens that you have not yet seen it yourself, our San Francisco office, The Macmillan Company, 350 Mission Street, will be more than glad to fill your order for an examination copy, and to quote you trade discounts on quantity lots for you to use among your nearby park and highway officials in the same profitable way that some eastern Nurserymen have done.

THE MACMILLAN COMPANY.

H. A. Stevenson, Mgr.  
Horticultural Department

### For Big Eastern Nurseries

Says the San Diego, Cal., Sun, of Sept. 24, 1929: Possibility of the development of intensified floriculture as an important industry in Southern California through commercialization of the geranium, cactus and baby date palm is being optimistically considered by eastern chain florists and Nurserymen.

"They are neglected here because they are common," asserted J. J. Faberhiem, president of the Metropolitan Nurseries of New York and New Jersey, who spent the day here and at Agua Caliente on his way back to New York from a trip along the coast.

"The plants I have mentioned ship easier than any others, and yet there is a vast undeveloped market for them, which eastern supplies never have been half-way able to meet.

"Everybody knows that the citrus market is saturated because the demand falls to exceed the supply. If I owned an orange or lemon grove, I'd cut it down and start raising geraniums. Some cities back east buy geranium plants every spring from various growers in California valleys in carload lots. I paid \$2000 for a carload of slips from near Fresno a year ago and sold them for—well, plenty, to a town in Minnesota after shipping them to New York and then half the way back to California.

"It's time the big eastern Nurseries got interested in the opportunities for geraniums, cactus and baby palms down here. Why, back in the New England states it's getting so that not even a modest home is complete without all three."

A New York Man in Texas—Twitty Nursery Company, Texarkana, Tex., has engaged the services of Edward M. Willems, a graduate in landscape architecture, University of Illinois, to take care of all their landscape work. Mr. Willems has had practical landscape designing and Nursery experience both in Illinois and New York State.

### Roy Wilcox's Eagle Eye

In his report for the committee on legislation of the California Association of Nurserymen Chairman T. D. Chenoweth said: "Roy Wilcox has kept an eagle eye on all state legislation affecting our industry as well as keeping in touch with national legislation of the same nature. On two separate occasions Mr. Wilcox has called my attention to matters of grave import that were being introduced into proposed state and national legislation which had they been passed, would have dealt a serious blow to the Nursery industry in the State of California.

On the last occasion which occurred just a few weeks ago, he became aware of the most insidious attempt I have ever seen to subvert the clearly expressed will of our national legislative body by introducing in a bill having remotest relationship to plant industry a clause which, were it to be adopted, would without a doubt, absolutely nullify the powers granted to the Secretary of Agriculture of the United States in the general plant law known as the Plant Quarantine Act.

"This particular clause is known as Section 306-D of the Tariff Bill recently before the Senate of the United States and this clause provides that the Plant Quarantine Act, which of course is now in effect, shall not be construed to empower the Secretary of Agriculture to exclude shipments from foreign countries, of seeds, plants, bulbs, etc., unless they are found to be infested with some dangerous insect pest or disease. [A. N., Oct. 1, p. 131].

"Were this clause to be passed the effect of it would be to throw the whole burden of proof on the Secretary of Agriculture and the plant quarantine inspectors at the various ports of entry of the United States; forcing them to inspect an innumerable number of packages, no matter of what origin, unless within or upon the contents the plain and indisputable evidences of a pest or disease were found. No matter how certain the Secretary of Agriculture might be, that shipments of Nursery stock seeds or bulbs from the Mediterranean area might have every chance to be infested with the fruit fly, he would have no power to refuse admittance to such shipments unless he could discover positive evidence of infestation thereof."

This proposed measure was killed in the Senate.

### Seed-Bearing Viburnum Carlesii

T. Sakata & Company has been successful in finding in Korea a few specimens of seed bearing *Viburnum carlesii*, heretofore believed completely sterile.

Samples of these plants were submitted to Dr. Ueki of the University of Keijo, and to Dr. Ueki of the University of Keijo, Korea, and to Dr. Nakai, specialist of Korean plants at the Botanical Gardens at Tokyo.

A small specimen of the plant was also submitted to Dr. Ernest H. Wilson of the Arnold Arboretum, who concurs with the opinions of Drs. Ueki and Nakai that the plant is the genuine *Viburnum carlesii*.

"Due to the fact that we find only isolated seed bearing specimens scattered over a very wide area," say representatives of the Sakata Company, the cost of collecting this seed is enormous and the quantity naturally limited. At its best each plant produces only a few ounces of seed. We expect this year to have some seed for sale but do not as yet know what quantity."

Herbst Brothers, 42 South St., New York City, are the sole representatives in the United States of T. Sakata & Co.

### Garden Club Members in Nursery

Twenty-one members of the John Burroughs Garden Club, Yonkers, N. Y., spent an afternoon recently in the Amawalk, N. Y.,

### Stock For Spring Delivery

There are two questions involved in getting Nursery stock to the customer for spring delivery. The first one is getting it out of the ground in the fall and the second one is holding it over winter. Which is the more important varies with different plants, but it is a question whether both do not reach maximum importance with seedling stocks.

In the case of an elm tree that is purchased by a customer for spring planting, he does not care if the stock starts as late as the first of June or the first of July, so long as the tree lives. On the other hand, with lining-out stock it is important that the stock get off to a quick start and make a good growth.

To get some indication as to the importance of these two factors, the New York Experiment Station at Geneva has dug seedlings of apple, pear, Mazzard, Mahaleb, and Myrobalan at different intervals in the fall of the year and has held them in different storages. In addition temperature and moisture records have been kept in five New York Nursery cellars in an effort suited to handling Nursery stock.

It is impossible to give all the figures here. In brief, however, stock that was dug the middle of September, carefully handled and packed away under good storage conditions failed to get started the following spring, and was a total loss. Stock dug two weeks later gave a small percentage of good plants, while that which was left until just before the ground froze up gave a very good stand. Seedlings that were left in the ground over winter and which had been properly matured were perhaps best of all.

Whether the stock was kept in a "dry" or a "wet" cellar did not seem to make so much difference as did the degree of maturity when the stock was dug. In other words, it does not matter how good the cellar is if the stock is not in good shape when it is put into the cellar. It is a waste of time to put poor stock into a good cellar.

Apples and pears seemed to suffer less than stock of the stone fruits, such as Mazzard, Mahaleb, and Myrobalan. The last three require full maturity, careful handling and careful storing if the stock is to give satisfaction to the man who buys it for lining out.

While there is nothing new in this little discussion, it at least reaffirms the opinion that many Nurserymen have had, namely, that there is a great tendency to rush and hurry operations and too much emphasis placed on sales, whereas a little more time could be placed on care in handling to very good advantage.

H. B. TUKEY

### California Quarantine

Editor *American Nurseryman*:

In a recent issue of your publication there was a small item indicating that California had revised her quarantines on August 1, 1929, and intimating that additional quarantine restrictions had been placed by California against Nursery stock from other states. I do not know the source of this information but it is in error. There have been no recent material changes in any of the California quarantines.

A. C. FLEURY,  
Senior Quarantine Supervisor

Nurseries studying trees and shrubs under the guidance of representatives of the Nursery.

## THIS PAGE PRESENTS

## American Nurseryman Directory of American Plant Propagators

Listing Nursery Concerns Which Specialize in Production of Young Stock  
Including That Which Has Heretofore Been Imported

The American Plant Propagators' Association, Organized in 1919, Will Hold Its Twelfth Annual Meeting in  
Minneapolis, Minn., July, 1930—H. L. Haupt, Secretary, Hatboro, Pa.

TWO-INCH BLOCKS ONLY ARE SOLD IN THIS DIRECTORY, UNDER YEARLY CONTRACT.

## Hill's Evergreens

COMPLETE assortment of lining out sizes. Also larger grades for Landscaping. Send for our wholesale catalog. Also descriptive booklet in colors.

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Evergreen Specialists  
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Headquarters for  
LINING OUT STOCK

Large Assortment

WELL GROWN—NONE BETTER

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of  
HEMLOCK  
ARBOR VITAE  
NORWAY SPRUCE  
SCOTCH PINE  
BALSAM  
CANOE BIRCH  
SUGAR MAPLE  
and other Evergreens, Shade Trees,  
Shrubs, Ferns, and Perennials.

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PUTNEY, VERMONT

WE HAVE THEM  
You May Want Some

Norway, Sycamore and Silver  
Maples; Pin, Red, Mossy Cup,  
Catesbaei and Willow Oaks.  
Butterfly Bush, Dogwoods, Deut-  
sias, Forsythia, Spireas, etc.

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Atlantic Nursery Co.  
BERLIN, MARYLAND

## ROSES



Shrubs Cannas  
Lining-out Evergreens

Send for Trade-List

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ROBERT PYLE, Pres. West Grove, Pa.  
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MILLIONS OF THEM  
Seedlings—Transplants—Cuttings

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Also Apple Trees, Shade Trees,  
Hedgeplants, Shrubs, Vines, Peony.

Send for our latest Bulletin

Sherman Nursery Co.

The largest growers of Evergreens  
in the world

Charles City, Iowa

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On Nursery Trade Affairs

By reading regularly a trade  
journal which covers the trade  
news. Progressive Nursery-  
men who do this possess an  
undoubted advantage in busi-  
ness plans and in their trans-  
actions.

EVERGREENS  
SEEDLINGS and TRANSPLANTS

FOR LINING OUT

WRITE FOR OUR PRICE LIST

THE NORTH-EASTERN FORESTRY CO.

"WE GROW OUR OWN TREES."

CHESHIRE, CONNECTICUT

## For American Rose Society Registration

October 4, 1929.

The following roses have been approved  
by the registration committee of the Ameri-  
can Rose Society and are proposed for  
registration:

Name—Climbing Briarcliff.  
Originated with J. Parmentier, Ossining,  
N. Y.

Class—Climbing Hybrid Tea.  
Parentage—Sport of Briarcliff.  
This rose is the same in all respects as  
its parent, except that it climbs.

Name—American Pride.  
Originated with Nicholas Grille, Mill-  
dale, Conn.

Class—Hybrid Tea.  
Parentage—Spirit of Grilledale-Butterfly.  
The habit of the plant is upright, has  
abundant and leathery foliage; it is a  
vigorous and profuse bloomer. The buds  
are long and pointed; flowers large on  
long strong stems, which open freely and  
hang on well; fragrant. Color, pure white  
except a slight tint of pink on the tips of  
the outside petals occasionally no tint at  
all. This rose is similar to Butterfly in  
growing, but is different in color and is  
more double; and has no blind wood.

Name—Gypsy Queen.  
Originator—Ralph S. Moore, Visalia, Cal.

Class—Poly. Climbing.  
Parentage—Seed, Hyb. of Crimson Ramb-  
ler, Pollen, Unknown.

This rose has heavy, wrinkled, clean  
foliage which is free from mildews; is a  
vigorous, hardy grower. The Crimson  
Rambler red flowers are carnation-like and  
borne in large clusters. Bud, globular.  
Not fragrant. This rose is similar to Crim-  
son Rambler but is better because it is  
mildew resistant, has better placement of  
flowers and a better flower.

Name—Kathryn.  
Class—Wichuriana.  
Parentage—Hiawatha selfing.  
Originated with: Ralph S. Moore, Visalia,  
Cal.

This is a climbing rose; foliage, abund-  
ant, light green, and very glossy. The  
soft clear pink flowers are borne in clus-  
ters; semi-double, almost full; distinct  
apple blossom fragrance. This rose is  
similar to Dorothy Perkins but is different  
in foliage; form of flower, time of bloom;  
Mildew free; and delicate form of flower.

Name—Baby Mine.  
Originated with Ralph S. Moore, Visalia,  
Calif.  
Class—Polyantha.

Parentage—From Climbing Cecile Brum-  
ner.

The habit of the plant is bushy; foliage,  
normal, soft, light green. The flower is  
small, sulphur yellow, full and double,  
slightly fragrant; the bud is long and  
pointed. The rose is similar to Mme.  
Cecile Brunner but is different in color.

Name—Climbing. Mrs. Charles Bell.  
Originated with Thomasville Nurseries,  
Thomasville, Ga.

Class—Climbing Hybrid Tea. Parentage,  
sport of Mrs. Charles Bell. Its habit of  
growth and foliage is identical with Climb-  
ing Pink Radiance, but its color, form,  
petalage of flowers is the same as Mrs.  
Charles Bell.

If no objections are raised to the under-  
signed within six weeks after publication  
of this notice, the registration of the above  
roses will become permanent.

ROBERT PYLE, Secretary

## For the Ordinary Planter

Information for the ordinary planter who  
wants to propagate fruit trees and shrubs  
by any of the artificial means is contained  
in farmers' bulletin 1657-F, "Propagation  
of Trees and Shrubs," just issued by the  
United States Department of Agriculture.

# American Nurseryman Directory of American Plant Propagators

Listing Nursery Concerns Which Specialize in Production of Young Stock,  
Including That Which Has Heretofore Been Imported

## Largest Assortment

and largest stock of lining out stock in the United States.

Write for prices or call and see our growing stock.

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## CARR'S EVERGREENS

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**Bedding and Lining Out**

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RARE AND CHOICE CONIFERAE

AZALEAS (Evergreen and Deciduous.)

FLOWERING SHRUBS,  
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We produce the greatest variety of  
Herbaceous Plants and Field Grown  
ROSES in America. Ask for our  
wholesale price lists.

**Bobbink & Atkins**

Rutherford, New Jersey

Choice Broad-leaved and Coniferous

## EVERGREENS

in Lining out and Specimen Sizes

Special price on small size Nandina domestica and Cedrus deodara. Write for wholesale catalogue and list of rooted cuttings.

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CRICHTON,

ALABAMA

Japanese Flowering Cherries

GRAFTED CHESTNUTS,  
Including Molisima, Blight Resistant Variety  
PEAR STOCKS,

Blight Resistant, "Old Home"  
PERSIMMONS, WALNUTS, CHERRIES  
PURPLE LEAF BIRCH, WEeping BIRCH,  
MAPLES, ELMS, SYCAMORE, POPLARS,  
FLOWERING PEACHES,  
FLOWERING APRICOTS,  
PAUL SCARLET THORNS,  
ROSE CUTTINGS and FIELD GROWN ROSES  
PECAN SEEDLINGS, DAVIDIANA SEEDLINGS  
STOCKTON MORELLO,  
An exceptionally good root stock  
for early bearing and vigor.

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Growers of

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## 1929 PRICE LIST

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## LINING OUT STOCK

Also larger sizes of Hardy Native  
TREES, SHRUBS, VINES, FERNS,  
BULBS and WILD FLOWERS

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Exeter, N. H.

## IF YOU GROW

## Lining-Out Stock

You should be represented  
in this department regularly.

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Chief Exponent of the Trade

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Seven million seedlings and transplanted up to 7 ft. Here are a few specials priced for prompt orders.

Black Hill Spruce.....	2- 4 in.	\$ 15.00
Norway Spruce.....	6- 8 in.	14.00
Norway Spruce.....	8-12 in.	20.00
White Spruce.....	4- 6 in.	12.00
Picea pungens glauca.....	4- 6 in.	25.00
Silver Fir.....	2 yr.	15.00
Pinus Nigra.....	6- 8 in.	15.00
Pinus Mugho.....	3- 4 in.	20.00
Pinus Ponderosa.....	4- 6 in.	10.00
Pinus Sylvestris.....	6- 8 in.	15.00
White Cedar, 3 yr.....	2- 4 in.	10.00
Norway Spruce.....	x 10-16 in.	30.00
Norway Spruce.....	xx 18-24 in.	150.00
White Spruce.....	xx 18-24 in.	200.00

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FERNDAL NURSERY  
LUDVIG MOSBAEK ASKOV, MINN.

## Nursery Trade Bulletin

Nurserymen are more than ever on the alert as to local publicity to link up with the national publicity campaign. Titus Nurseries, Waynesboro, and Augusta Nurseries, Mt. Sidney, took advantage of a Virginia state fair, both showing unusual displays of shrubs and evergreens of various varieties.

The Commissioner of Forestry of the state of Alabama advises that a large supply of young black locust trees from the State Forest Nursery will be available to Alabama farmers this fall. It is regarded as a very valuable tree for farm purposes, especially for posts, on account of its durability in contact with the soil.

The Rust Nurseries, Pasadena, Cal., were hosts recently to the first National Cactus Show ever staged. The public was very much interested, the attendance being large each day. Of especial interest was a night blooming cereus in full blossom, and an exhibit of the Mediterranean fruit flies and their work of destruction.

Root's Nurseries, 100 acres, between East Petersburg and Manheim, Pa., started 34 years ago by A. W. and J. W. Root, has been doing a lively business in ornamentals this year, leaning heavily on its landscape department in work within a radius of 35 to 40 miles, with clients in Lancaster, Reading, Lebanon and other communities.

Officials of the North Carolina State Nursery at Raleigh state that there will be available for distribution for reforestation purposes nearly a half million seedlings, a 100 per cent increase over last year. And plans are under way for further development and expansion of the Nursery, so as to produce millions of seedlings for annual distribution.

Thinning of over-crowded stands of young trees in the Rio Grande National Forest in Colorado is furnishing thousands of Colorado blue spruce seedlings for ornamental planting in the eastern states, officers of the Forest Service, United States Department of Agriculture, report. Shipments this season will amount to seven or eight carloads, and the output is expected to increase yearly.

Incorporations: **Lewis and Valentine Company**, Darien, Conn., to conduct a general landscape gardening and Nursery business; **Clyde Nursery Co.**, Clyde, Ohio, \$50,000, A. R. and Royce M. Pickett, Alice M. and Mattie O. Pickett, all kinds of shrubbery; **Warrenville Nursery Corp.**, Warrenville, N. J., floriculturists; **Kansas City Nurseries Co.**, Kansas City, Kan., \$100,000; **Clarke-Bonnet Nurseries, Inc.**, Wenatchee, Wash., \$3,000, Samuel Clarke and Harold A. Bonnet.

Are you preserving your copies of the **AMERICAN NURSERYMAN**? They are of unequalled historic value. An index for each volume.

**Southern Nurserymen Photographed**—Of the group photograph showing members of the Southern Nurserymen's Association in convention in Birmingham, Ala., last month, O. W. Fraser, chairman of the local committee said: "It was taken in front of the unique home of Mr. George B. Ward, 'Vestavia,' on Shades mountain. This place has been very much advertised owing to the fact that it is patterned as a replica of the temple of Vesta and occupies one of the highest and most prominent sites in this section of the country. The Nurserymen were entertained by Mr. Ward in the afternoon, and a party of prominent people, including Dr. J. Horace McFarland, were present at a dinner in the evening. The lower part of the house is shown in the background of the picture."

Frank M. Edwards, Nurseryman, Milwaukee, Wis., during the last protracted hot spell faced the threatened possibility of having his Nursery of 100,000 fir trees destroyed by the heat. The fire department of Fort Atkinson, where the Nursery is located, sympathized with Mr. Edwards and rallied to his aid. For an entire day, hundreds of gallons of water were pumped to the thirsty trees—and the trees were saved.

C. E. Wilson, Manchester, Conn., well-known in the trade, is treasurer of a retail Nursery business in Cromwell, Conn., Wilson's Tree Farms, the other officers of which are: President, E. H. Anderson; assistant treasurer and general manager, F. G. McCarthy.

## New Jersey Will Plant the Roadsides

Three thousand new saplings have been planted at the tree Nursery in Lakeland, N. J., says Charles J. Maxwell, chairman of the Camden County Shade Tree Commission, at the organization's regular meeting in the courthouse yesterday. The young trees will consist of elms, red oaks and maples. There are already 3000 Oriental Plane trees being developed at the Nursery. The saplings are three feet high when they are planted and are left at the Nursery for four years until they grow to the height of 12 to 15 feet. They are then taken out and planted along roadways and undeveloped parks.

## The Roeding Memorial

The most significant part of the report of the Roeding Memorial Committee, at the convention of the California Association of Nurserymen, read by Ernest Branton, chairman, disclosed that President Hoover had written a short tribute to Roeding, which will be used as a foreword in the book on the life of the great Nurseryman and Fresno county citizen, which is now being prepared for publication by the association. The president, after contributing to the cost of the volume, wrote this tribute:

"It was my good fortune to have the association of Mr. Roeding in public work during and after the great war. His was an example of willing sacrifice to public service and constant solicitude for the public good."

The Roeding Memorial Committee was organized in 1928 to prepare the book which will be a tribute to the memory of George C. Roeding, who died in 1927. The manuscript is being prepared by Henry W. Kruckeberg, agricultural advertising man of Los Angeles. Contributions for the fund which will defray expense of publi-

cation have been received from Washington, Oregon, Pennsylvania, New Hampshire, Florida, District of Columbia, and Peru, South America, in addition to those from members of the California Association of Nurserymen. The volume is expected to be ready to print early in 1930.

**A Memphis Model Home**—Opening of "Normandie," the Master Model Home in Chickasaw Gardens, Memphis, Tenn., sponsored by the Commercial Appeal, was arranged for Oct. 13 by Knapp & Chandler, architects in charge of the project. Not the least of its charm is due the landscaping, planned by Miss Kate Lucas and carried out by the Cartwright Nurseries of Collierville. A series of four gardens was worked out, each combining different effects.

**Oxygen Principal Factor in Decay of Trees**—If most of the decayed area is removed from an open wound and the opening sealed against the entrance of external air, the water factor can be declared practically negligible, according to Dr. W. H. Rankin, New York Experiment Station and chief pathologist of the Bartlett Tree Research Laboratories, Stamford, Conn. Dr. Rankin further stated that even should portions of the decay be allowed to remain and the opening sealed air-tight there will be no further spread of decay.

Michael Gleason, Nurseryman, has bought a modernized Colonial-type home and eighteen acres at Bedford Road and Green Lane, Mount Kisco, N. Y. His business was formerly in New Rochelle, where he sold five acres to the city for school purposes.

L. C. Chadwick has recently been added to the staff of the Dept. of Horticulture at Ohio State University and will have charge of most of the Nursery work.

## NEW YORK NURSERYMEN'S ASSOCIATION

C. J. Maloy, Rochester, N. Y., Secy.

The annual meeting of the New York State Nurserymen's Association will be held at the Seneca Hotel, Rochester, N. Y., Jan. 10-11, 1930. An interesting program is in preparation. All Nurserymen are invited.

**Patio Gardens** contains 67 hand-drawn illustrations made by Ralph L. Reaser, a graduate of the Harvard School of Landscape Architecture and instructor in the same subject at Columbia University. He made a special trip to Spain for his material. These drawings present 98 different subjects, ranging from wrought-iron door knockers to double-page inserts of garden plans. Many of them will be of special value to home owners, landscape architects, and Nurserymen because they give actual measurements and construction details of pools, gardens, benches, fountains, tiles, and wrought-iron.

The following recapitulation of the subjects illustrated gives an idea of the wealth of material presented pictorially in the book; wrought-iron designs, 13; gates, 4; wells, 4; fountains, 5; benches, 6; tile and pavements, 19; balconies, 4; stairways, 4; flowerpots, 10; detail plans of various subjects, 18. Others show flower stands, garden houses, cypress arches, pergolas, swimming pools, patio gardens, walls, windows, lamps, waterspouts, gloriolas, and weather vanes.

Patio Gardens contains 250 pages, measuring 8 x 10 inches. It is bound in natural-finish cloth; yellow sides with a decorative stamping in blue, and blue back stamped in gold. The end papers show a patio pavement in color. Sent postpaid for \$6.20 by American Fruits Pubg. Co., P. O. Box 124, Rochester, N. Y.

## SCARFF'S Nursery

Headquarters for  
Small Fruit Plants  
And Lining Out Stock

Strawberries	Hardwood Cuttings
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Currents	Mallow Marvel
Gooseberries	Barberry Seedling
Grape Vines	Peonies
Asparagus	Honey suckle
Horseshoe	Eschomus Radicans
Rhubarb	Philadelphus Grand

Our list quotes lowest prices  
**W. N. SCARFF'S SONS**  
NEW CARLISLE, OHIO

## Commercial Nursery Co.

Decherd, Tennessee

We expect to have our usual supply of

**FRUIT TREES, SHRUBS and ORNAMENTAL STOCK**

Also

**PAPER SHELL PECANS, JAPAN PERSIMMONS, FIGS, and SHADE TREES of all kinds.**

Write us for prices.

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Why March brass fittings resist minerals and will not rust or corrode.

Why March Rain-fed crops yield greater returns.

Write today for March Irrigation Facts.

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## WOODLAWN NURSERY

GREENVILLE, GA.

Wishes all who are in the market for BOXWOOD, MAGNOLIA GLAUCA TREES and HEMOROCALIS DAY LILY BULBS to write.

Our prices will attract you.

CREPE MYRTLE,

LONG AND SHORT LEAF PINE TREES

## WHOLESALE PRICE LIST

For Fall 1929  
NOW READY

Unusual growing season has made unusual stocks of conifers, broad-leaves, and shrubs. Get the list and our prices.

**Howard-Hickory Co.**  
HICKORY, NORTH CAROLINA

AMERICAN NURSERYMAN should be regularly on your desk. A business aid. Bristling with exclusive trade news. Absolutely independent. The Chief Exponent of the American Nursery Trade.

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In All Sizes

ALBATRE	MONT BLANC
BANNIERE	NOVINA
BOUQUET BLANC	OPHELIA
FAVORITE	PYRAMIDAL
GIRANDOLE	VOIE LACTEE
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Also a fine lot of HYDRANGEA, ARBORESCENS and P. G.'s

Write for prices.

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Urbana, Ohio

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Is accomplishing much for the Nursery Trade. With a record of fifty-three years of service. Practical departments and active committees. National conventions of inestimable value.

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SPENCERPORT, N. Y.

### A. A. N. Annual Report

The annual report of the American Association of Nurserymen containing the proceedings of the 54th annual convention in Boston, Mass., was in the hands of the members a few days after mailing on Sept. 20. This is practically within 60 days of the convention date which represents additional highly commendable work on the part of Secretary Sizemore.

A feature of this year's report that will prove both interesting and valuable for reference is the group classification of the membership as to amount paid and percentage of each group. Proportionate amounts of the total of \$20,420 as paid by the members are shown and the percentages of the total for each of the groups of the 646 members. The association has one honorary member, The American Rose Society.

Once or twice during the last decade just this information was needed at convention time and a committee had to figure it out in the limited time available.

Another innovation in this report is inclusion of a report from the Ladies Auxiliary which elected at its Boston meeting: President, Mrs. M. R. Cashman, Owatonna, Minn.; vice-president, Mrs. John Fraser, Huntsville, Ala.; secretary, Mrs. A. F. Lake, Shenandoah, Ia.; treasurer, Mrs. Irving Rouse, Rochester, N. Y.

### Nursery Short Course

Following is the tentative program for the Nursery short course at Ohio State University, Columbus, Dec. 17-20, under direction of Alex Laurie, Dept. Horticulture:

Dec. 17 at 9 a. m.—Plant Growth, J. H. Gourley; Soils, G. M. McClure; Fertilizers,

Alex Laurie; Soils and Fertilizers Lab. Period; Discussion by Dean Vivian.

Dec. 18 at 8 a. m.—Crop Rotation; Machinery; Insects and Diseases, H. Dietz; Advertising, Cost Accounting, J. B. Heckett; Laws; Storage, W. B. Cole.

Dec. 19 at 8 a. m.—Propagation; Cuttings, L. C. Chadwick; Seeds, Dr. William Crocker, Boyce-Thompson Institute; Grafting, C. E. Kern, Wyoming, O.; Bulbs, W. W. Wiggin; Tree Care, C. F. Irish, Cleveland, O.; Round Table.

Dec. 20 at 8 a. m.—Design of Small Grounds, V. H. Rice; Newer Plants, C. E. Kern, Wyoming, O.; Rock Plants, H. C. Esper; Perennials; Arboretum, E. C. Secrist, State Forester; Nomenclature, A. E. Waller.

J. H. Faassen-Hekkens, Teglen, Holland, made special display of the new rose, Souvenir de Henri Faassen, one of the best new roses of the season, at the International Horticultural Exhibition, in Courtray, Belgium.

Guyencourt, Del., Nurseries have absorbed the Arden Nurseries which have been operated at Grubbs, Del. Officers are: President, M. R. Phelps; secy-treas., W. E. Phelps; sales manager, G. A. Nearing.

C. A. Simpson, of the Simpson Nursery Co., Monticello, Fla., declares that the statement attributed to Commissioner of Agriculture George B. Turrell, of Texas, before the Southwestern Nurserymen's Association that "thousands of acres of grape fruit and orange orchards worth from \$1000 to \$3000 an acre have been chopped down" (because of the Mediterranean fruit fly) is not true. In response to a letter of inquiry from Mr. Simpson, Commissioner Terrell says he did not make the statement attributed to him. Our information [A. N., Sept. 15, p. 118] was through a reporter on the spot for one of the leading newspapers of Texas.

W. F. Bohlender, Livirgia B. and Thomas B. Kyle have incorporated the Ecplender Nurseries Co., Tippecanoe City, O., \$50,000.

Little Tree Frams, Framingham Center, Mass., on Oct. 8 noticed a Carolina rhododendron plant in full bloom in the Nursery.

Floral City Nurseries, Monroe, Mich., have been incorporated, \$100,000.

AMERICAN NUT JOURNAL, the Official Journal, three years for \$5.00 twelve months, \$2.00; single copy, 20c.

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Perennials, Apple, Cherry, Peach  
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3 feet 3.50	30.00	4 feet 5.00	45.00
4 feet 4.50	40.00	5 feet 6.50	60.00
5 feet 5.50	50.00	6 feet 9.00	85.00
BLUE SPRUCE		NORWAY SPRUCE	
2 feet \$ 7.00	\$ 65.00	1 1/2 ft. 1.00	9.00
3 feet 8.50	80.00	2 feet 1.50	12.50
4 feet 10.50	100.00		
5 feet 13.00	125.00		
COLORADO SPRUCE		ARBORVITAE	
2 feet \$ 4.00	\$ 35.00	2 feet \$ 2.00	\$ 15.00
3 feet 5.00	45.00	3 feet 2.50	20.00
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# Variability In Fruit Tree Production Growth

Subject of Investigation By Iowa Scientists—Experiments For Development of Better Root Stocks—Special Interest To Nurserymen

By T. J. Maney, Pomological Section, Iowa State Agricultural College

## Continued From Oct. 1 Issue

The last-mentioned seed parent deserves special mention in that the tree is very hardy and vigorous, resembling somewhat a prunifolia type. The tree is a beautiful ornamental specimen with large, showy flowers borne in clusters of 5 to 7. The fruit, which is brilliant red, is about  $\frac{3}{4}$  inch in diameter, and is remarkable in that it does not drop from the tree in the fall. Our attention was attracted to it in the spring of 1927 because of this fact. In March the fruit was hanging from the branches like clusters of raisins. A bushel of the fruit was picked in March and the seed removed and planted broadcast in a seedbed. Individual fruits averaged 7 to 10 seeds per fruit. About 2,000 seedlings were raised from this seed. These were lifted in the fall of 1927, stored over winter and replanted along with the other stock in 1928. The seedlings, due to excessive crowding in the seed bed, were rather spindly and averaged when trimmed 8 to 10 inches in length.

The French crab seedlings were heavy No. 1 stock, while the Sherman and Cashman seedlings were light and would probably grade about No. 2 or No. 3 "straight" on the basis of French crab seedling grades.

Following is a record of the average growth and percentage stand of the various lots of seedlings in the Nursery after the season of 1928.

	Av. Height Inches	Percentage Stand
French crab sdgls.	20.6	77
Sherman sdgls.	18.5	92
Cashman sdgls.	19.3	96
Brier Sweet x Mercer Co. sdgls.	19.0	95
Anisim x Malinda sdgls.	18.8	91
Red Mercer Co. sdgls.	14.7	14
Eden crab sdgls.	12.5	46
Virginia crab sdgls.	8.9	35

The interesting things to note in the preceding table are the favorable growth of the Sherman and Cashman seedlings, the northern-grown seed, and the Brier Sweet x Mercer County seedlings as compared to the growth of the No. 1 French crab seedlings. Practically all of the individual seedlings had made good budding stock in August. The outstanding feature in the preceding table is the poor showing of the Virginia crab seedlings, none of which were of budding size—Virginia was selected as a seed parent because of the fact that it is such a remarkable stock for orchard top working, being, I am sure, congenial with more varieties than any other stock.

Two facts are strongly emphasized in the data given: First, that seedlings of certain standard varieties can be depended upon to have vigor comparable to French crab; second, that some varieties produce seedlings which show a decided lack of vigor, that of Virginia crab being most pronounced. This evidence is further borne out in our cross-breeding investigation in which we have found that certain parental combinations transmit high vigor to their seed progeny while others pass on a decided tendency toward weakness. With a cross of Antonovka x Delicious, the seedlings at three weeks from seed ranged from 49 to 109 inches in height; Jonathan x Delicious gave a range of 12 to 57 inches; while Hibernia x Delicious produced seedlings from 3 to 22 inches in height.

If the Nurseryman is eventually to produce his own seedlings he must select his seed from varieties which will transmit

vigor. To secure further information along this line the writer has selected seed of the 1928 crop from about 60 standard and seedling varieties which show a large number of perfect seed per fruit. Information will be gathered on seedlings grown from this seed as planted in the greenhouse and in the field.

With reference to the development of better root stocks from free-rooting varieties about all that can be stated at this time is that a number of standard and seedling varieties have been discovered which show a decided tendency to root freely when mound-layered. It has been discovered that this tendency can be detected by the appearance of a condition known as burr knot on older wood. It is hoped that this work will also result in an economical method of producing own-rooted trees by some variation of mound layering. Possibly a variety will be found that roots readily enough to be propagated from cuttings. At least it is now certain that sufficient own-rooted trees can be produced by present methods for use in experimental tests. This alone is worth all the effort expended, as such trees may eliminate a large part of the experimental error previously due to variations in yields and undoubtedly caused by root stocks of variable vigor.

It is a well-known fact that dwarf apple stock is not reliably hardy to the Midwest. We are working on dwarf stock because there actually is a limited demand for it at present and this demand could be increased if a reliable stock were introduced. In 1922 I had sent to me by H. Walton Clark, biologist at the United States Biological Laboratory at Fairport, Ia., a dwarf stock which had been growing for 25 years at Muscatine, Ia., where winter temperatures of 25° below zero have occurred. This is a very dwarf precocious stock, as evidenced by the fact that Mr. Clark was able to fruit standard varieties on it when the stock was planted in gallon cans. It was one of the few varieties which came through the October, 1925, freeze uninjured. When a sufficient increase is obtained of this stock it will be offered to Iowa Nurserymen who are interested. Along with this stock are growing the best of the 16 type dwarf stocks standardized from the dwarf stocks of Europe by R. H. Hatton of the East Malling Research Station, East Malling, Kent, England. None of these standard types are hardy under our conditions and cannot compare in health and sturdiness to the Clark dwarf.

In regard to stocks for the pear, our experience has shown that the average Pyrus calleryana seed is badly mixed with other species types, consequently blight resistance is very variable. The seedlings in general lack hardiness and kill to the ground every winter. P. ussuriensis certainly has hardiness and blight resistance to its credit. However, it is very slow in growth. It seems to come very true to type from seed. From reports which come from various parts of the country, Japanese pear stock, P. serotina, has little to recommend its future use. It may have some advantage over the French pear, P. communis, in hardiness, but in other sections it is susceptible to root rot and causes black end spot of the fruit in varieties worked upon it. In California and the Northwest its use is being discouraged.

As a mere side line the writer has been

interested in rose stocks and has made a number of crosses in view of securing hardy, non-suckering, thornless seedlings. One cross in particular is of interest from the characteristics of the parents and the seedlings produced. One parent is a thornless type of the Rosa multiflora, the other a thornless type similar to Rosa blanda, although one of the authorities on rose botany in the United States is not absolutely sure of this identification. The seedlings of the above cross seem to be a blend of the characters of both parents. The character of thornlessness is dominant in the progeny, only a few showing evidence of thorns.

I have tried to present a statement of a few of the problems which the Pomology Section of Iowa State College is investigating in an endeavor to throw light on some of the questions connected with the development of better Nursery stocks. We appreciate the hearty co-operation which we have received in all our work from the Nursery interests, and we trust that our services will be freely requested by midwestern Nurserymen.

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Man experienced in growing Perennials and Evergreens for seed, also who is experienced in making and handling soft and hard wood cuttings. Permanent position. State references and amount of experience.

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Address, F 135, care American Nurseryman, Rochester, N. Y.

## MISCELLANEOUS

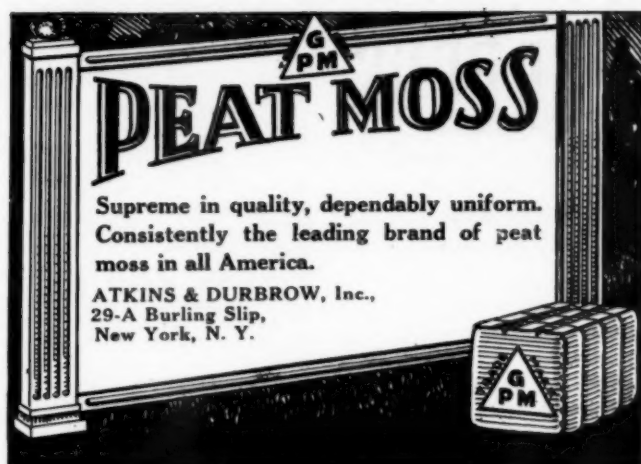
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American Elm	8-10'	1 - 1 1/4"	\$ .75
"	8-10'	1 1/4 - 1 1/2"	1.00
"	10-12'	1 1/2 - 2"	1.75

Spruce Col. Blue, four times transplanted. First class.			
400	15 - 18"	B.&B.	\$2.00
750	18 - 24"	B.&B.	3.00
700	2 - 2 1/2'	B.&B.	5.00
350	2 1/2 - 3'	B.&B.	7.00
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Spruce Col. Green, at one-half the price of the Blue.

Spruce Norway, well balanced trees.			
2000	10-12"	XX	\$ .20
3000	12-18"	B.&B. XXX	.40
2000	18-24"	B.&B. XXX	.60

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Currants, red, 2 yr. No. 1	\$ 5.00	\$ 35.00
Maple, Silver, 8-10"	45.00	300.00
Maple, Silver, 10-12"	60.00	350.00
Althea, tree form, 4-5'	30.00	200.00
Cercis Canadensis, 4-5'	60.00	250.00
Cornus Lutea, 3-4'	20.00	150.00
Cydonia Japonica, 3-4'	30.00	200.00
Deutzia Gracilis, dwarf 15-18"	15.00	100.00
Deutzia Lemoine, dwarf 24-30"	15.00	100.00
Honeysuckle Bush, Assorted, 3-4'	20.00	120.00
Lilac, Persian, 3-4'	30.00	175.00
Philadelphus Avalanche, dwarf, 30-36"	22.50	150.00
Spiraea Arguta, 2 1/2-3'	20.00	100.00
Spiraea Froebelli, 18-24"	12.00	100.00
Spiraea Thunbergii, 2-2 1/2'	20.00	100.00
Symphoricarpos Racemosus, 2-3'	12.00	100.00
Tamarix, Assorted, 3-4'	18.00	100.00
Weigela Rosa, 3-4'	20.00	120.00
Snowballs, 2-3'	30.00	200.00
Clematis Paniculata, 3 yr.	20.00	100.00

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*Abies veitchii*  
(Veitch Fir)

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*Abies arizonica*  
(Arizona Fir)

		Each	Each			Each	Each			Each	Each
		100	1000			100	1000			100	1000
<i>Abies arizonica</i>	2-4 inch	0	10c	9c	<i>Juniperus sabina horizontalis</i>	45c	....	<i>Pinus thunbergi</i>	6-8 inch	33c	24c
<i>Abies balsamea</i>	6-8 inch	x	5c	7c	<i>Juniperus sabina von ehron</i>	65c	....	<i>Pseudotsuga douglasii</i>	8-10 inch	15c	14c
<i>Abies concolor</i>	4-6 inch	0	5c	4c	<i>Juniperus scopulorum</i>	63c	5c		10-12 inch	20c	19c
	8-10 inch	x	25c	24c	6-8 inch	20c	19c		12-15 inch	25c	24c
<i>Abies homolepis</i>	2-4 inch	0	6c	5c	<i>Juniperus virginiana cannarti</i>	45c	....	<i>Taxus cuspidata</i>	4-6 inch	20c	19c
<i>Abies veitchii</i>	2-4 inch	0	5c	4c	<i>Juniperus virginiana elegantissima</i>	55c	....		6-8 inch	35c	....
<i>Cedrus Atlantica</i>	4-6 inch	x	10c	9c	<i>Juniperus virginiana glauca</i>	45c	....	<i>Taxus cuspidata nana</i>	6-8 inch	20c	19c
<i>Cedrus deodara</i>	6-8 inch	x	8c	7c	<i>Juniperus virginiana Kosteri</i>	30c	27c	<i>Thuya occidentalis</i>	6-8 inch	7c	6c
<i>Cedrus libani</i>	8-10 inch	x	10c	9c	<i>Juniperus virginiana schottii</i>	45c	....		10-12 inch	10c	9c
	4-6 inch	x	8c	7c	<i>Larix europea</i>	33c	24c		12-18 inch	17c	16c
<i>Chamaecyparis pisifera filifera</i>	6-8 inch	x	12c	11c	8-10 inch	33c	24c	<i>Thuya occidentalis douglasii aurea</i>	10-12 inch	25c	24c
<i>Juniperus chinensis</i>	6-8 inch	0	83c	73c	<i>Picea canadensis</i>	33c	24c	<i>Thuya occidentalis douglasii pyramidalis</i>	6-8 inch	15c	14c
	6-8 inch	xx	12c	10c	4-6 inch	33c	24c		8-10 inch	20c	19c
<i>Juniperus chinensis albovariegata</i>	Grafts, 1 year	50c	....		10-12 inch	9c	8c	<i>Thuya occidentalis globosa</i>	6-8 inch	10c	9c
<i>Juniperus chinensis pfitzeriana</i>	8-10 inch	xx	25c	24c	12-18 inch	22c	20c		8-10 inch	12c	11c
	10-12 inch	xx	30c	29c	<i>Picea canadensis albertiana</i>	10c	9c	<i>Thuya occidentalis hoveyi</i>	10-12 inch	83c	73c
<i>Juniperus chinensis pyramidalis blue</i>	Grafts, 1 year	50c	....		6-8 inch	12c	11c	<i>Thuya occidentalis pyramidalis</i>	8-10 inch	13c	12c
<i>Juniperus chinensis pyramidalis green</i>	Grafts, 1 year	50c	....		8-10 inch	83c	73c		10-12 inch	14c	13c
<i>Juniperus chinensis sargentii green</i>	Grafts, 1 year	50c	....		10-12 inch	10c	9c		12-18 inch	35c	32c
<i>Juniperus communis</i>	6-8 inch	0	4c	3c	<i>Picea polita</i>	12c	11c		18-24 inch	40c	35c
	6-8 inch	0	4c	3c	2-4 inch	33c	24c	<i>Thuya occidentalis rosenhallii</i>	2-2 1/2 feet	60c	55c
	8-10 inch	xx	20c	19c	<i>Picea pungens</i>	5c	4c		6-8 inch	17c	16c
	10-12 inch	xx	30c	29c	6-8 inch	13c	12c	<i>Thuya occidentalis wareana</i>	6-8 inch	13c	12c
<i>Juniperus communis depressa aurea</i>	Grafts, 1 year	40c	....		8-10 inch	17c	16c		8-10 inch	15c	14c
<i>Juniperus communis depressa plumosa</i>	6-8 inch	x	20c	19c	<i>Pinus montana uncinata</i>	15c	14c	<i>Thuya occidentalis woodwardii</i>	8-10 inch	15c	14c
<i>Juniperus communis hibernica</i>	8-10 inch	x	10c	9c	10-12 inch	15c	14c		10-12 inch	35c	34c
	10-12 inch	x	13c	12c	<i>Pinus mugus</i>	10c	9c	<i>Thuya orientalis aurea nana</i>	6-8 inch	15c	14c
<i>Juniperus excelsa stricta</i>	6-8 inch	xx	20c	19c	6-8 inch	14c	13c	<i>Thuya orientalis bonita</i>	6-8 inch	15c	14c
<i>Juniperus horizontalis douglasii</i>	6-8 inch	xx	20c	19c	8-10 inch	27c	25c	<i>Thuya orientalis compacta</i>	6-8 inch	12c	10c
<i>Juniperus japonica</i>	Grafts, 1 year	45c	....		<i>Pinus ponderosa scopulorum</i>	8c	7c	<i>Thuya orientalis conspicua aurea</i>	6-8 inch	25c	24c
	8-10 inch	xx	35c	....	10-12 inch	7c	6c	<i>Thuya orientalis elegantissima</i>	4-6 inch	20c	19c
<i>Juniperus japonica sylvestris</i>	4-6 inch	x	15c	14c	6-8 inch	20c	19c	<i>Thuya orientalis pyramidalis</i>	6-8 inch	12c	11c
<i>Juniperus sabina</i>	8-10 inch	xx	20c	19c	10-12 inch	30c	29c		8-10 inch	15c	14c
	8-10 inch	xx	20c	19c	<i>Pinus sylvestris</i>	3c	2c	<i>Tsuga canadensis</i>	6-8 inch	12c	11c
	8-10 inch	xx	20c	19c	4-6 inch	7c	6c		8-10 inch	20c	19c
	8-10 inch	xx	20c	19c	10-12 inch	15c	14c		1-1 1/2 feet	37c	35c

50 at 100 rate 500 at 1000 rate. o—Indicates never transplanted, suitable for bedding out. Each x indicates one transplanting. We allow 3% discount and box free when cash accompanies order.

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DUNDEE, ILL.



*Pseudotsuga douglasii*  
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*Abies concolor*  
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(Balsam Fir)



*Abies Fraseri*  
(Fraser Fir)

